

Table 1. Baseline characteristics of the study participants.

Group	Normal cognitive function	Mild cognitive impairment (MCI)	Suspected dementia
MMSE score	28~30	24~27	≤23
Number (%)	280 (48.4%)	255 (44.1%)	43 (7.4%)
Sex, male/female	111/169	97/158	23/17
Age	71.6±5.0	73.3±5.4*	77.0±7.6**
Clinical variables			
Frailty 0/1	258/22	204/51	31/12
Sarcopenia 0/1	271/9	228/27	36/7
Brain disease 0/1	269/11	248/7	41/2
Head injury 0/1	278/2	254/1	43/0
Heart disease 0/1	253/27	234/21	42/1
Kidney disease 0/1	273/7	246/9	43/0
Diabetes mellitus 0/1	257/23	219/36	40/3
Hypertention 0//1	208/72	197/58	32/11
Dyslipidemia 0/1	210/70	202/53	39/4
PH of malignancy	260/20	230/25	38/5
Multimorbidity 0/1	185/95	174/81	30/13
Education 0/1	104/176	62/193	11/32
Hearing loss 0/1	201/78	200/55	31/12
Visual impairment 0/1	249/28	223/28	33/9
Smoking 0/1	209/70	187/68	24/19
Alcohol 0/1	159/120	157/97	25/18
Polypharmacy 0/1	266/14	239/16	38/5
Blood biomarkers			
WBC (/μl)	5960±1337	6004±1496	5984±1388
RBC (10 ⁴ /μl)	434±38	431±43	405±68
PLT (10 ⁴ /μl)	22.2±4.7	22.3±4.7	20.8±4.9
Neutrophil (%)	55.6±8.2	56.5±8.2	60.0±8.5**
Lymphocyte (%)	34.6±7.9	34.1±7.5	30.4±7.9**
N/L ratio	1.77±0.84	1.80±0.70	2.20±0.97**
RDW	12.7±0.8	12.8±1.0	13.0±1.0
Total protein (g/dl)	7.18±0.38	7.21±0.39	7.10±0.37
Albumin (g/dl)	4.20±0.26	4.20±0.26	4.03±0.26**
LDH (U/L)	199±34	198±34	202±38
AST (U/L)	24±10	24±8	25±9
ALT (U/L)	22±13	20±11	20±10
ALP (U/L)	231±64	235±71	237±63
γ-GTP (U/L)	31±37	29±24	34±46
T-Bil (mg/dl)	0.67±0.29	0.66±0.28	0.71±0.47
Amylase (U/L)	89±29	89±34	83±24
T-Chol (mg/dl)	212±36	208±37	205±39
LDL-C (mg/dl)	127±32	125±33	121±33
HDL-C (mg/dl)	68±17	66±18	66±18
TG (mg/dl)	121±63	121±58	121±59
DHA (μg/ml)	156±41	164±44	148±37*
EPA (μg/ml)	86±39	97±50	81±36
BUN (mg/dl)	17±5	17±4	18±6
Creatinine	0.76±0.25	0.73±0.20	0.86±0.25**
eGFR	69±14	70±14	63±16*
Cys-eGFR	91±15	88±15*	78±16**
Uric acid (mg/dl)	5.0±1.2	4.9±1.1	5.1±1.3
Na (mEq/L)	140±2	140±2	140±2
K (mEq/L)	4.1±0.3	4.1±0.3	4.2±0.4
BS (mg/dl)	101±12	102±15	105±17
HbA1c (‰)	5.8±0.5	5.8±0.6	5.7±0.5
IgG (mg/dl)	1294±264	1313±254	1336±303
IgM (mg/dl)	100±140	87±52	76±38
IgA (mg/dl)	243±108	244±90	280±171*
IL-6 (pg/ml)	1.69±2.88	2.12±3.96	4.58±16.1**
HS-CRP (mg/dl)	0.08±0.14	0.10±0.25	0.12±0.14

*p<0.05, **p<0.01 vs Normal group